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| Project Overview page 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Name of Project:** | | | The Quest | | | | | | | | | | | | | | | | **Duration:** | | | 7 weeks | | | | | | | |
| **Subject/Course:** | | | **English I** | | | | | | | **Teacher(s): Freshmen Academy** | | | | | | | | | **Grade Level:** | | | 9th Grade | | | | | | | |
| **Other Subject Areas to Be Included:** | | | PWC, W. Geography, Alg I, Freshmen Seminar | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Project Idea**  Summary of the issue, challenge, investigation, scenario, or problem: | | | Team will design how to transport all students from their home to their school of choice. Design a bus transportation system to reach every student and every school and present final design to Supervisor of Transportation. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Essential Question** | | | How to get all students to their school of choice? | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Content Standards** to be taught and assessed**:** | | | **Math-** Geometry and Measurement, Mathematical Processes, Data Analysis, Statistics and Probability, Proportions, Ratios  **ELA-** Language, Communication, Writing, Research, Logic, Informational Text, Media and Literature  **Science-** Embedded Inquiry, Technology & Engineering, The thermodynamics and the conservation of energy, Waves and Optics, Electricity and magnetism.  **Social Studies-** Culture, Economics, Geography, Governance & Civics, History and Individuals, Groups & Interactions | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | **T** | **A** | **E** |  | | | | | | | | | **T** | | | **A** | | | **E** |
| **Professional (21st Century) Skills** to be taught, assessed and/or encouraged**:** | | | Collaboration | | | | | | | |  |  |  | Other: | | | | | | | | |  | | |  | | |  |
| Communication (Oral Presentation) | | | | | | | |  |  |  |  | | | | | | | | |  | | |  | | |  |
| Critical Thinking/Problem Solving | | | | | | | |  |  |  |  | | | | | | | | |  | | |  | | |  |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Major Products & Performances** | Group: | | | Presentation, Budget, Design of proposal either Map or Sketchup  Timeline | | | | | | | | | | | | | | | | **Presentation Audience**   **Presentation Audience:**      Class   School | | | | | | | | | |
|  | Class | | | | | | | | |
|  | School | | | | | | | | |
|  | Community | | | | | | | | |
| Individual: | | | Safety issues, Solve equations, Write equations & variables, absolute value, histogram, graphing, business proposal components: background, overview, budget, linitations, Powerpoint or sketchup, plan of transportation system, Math processes, Systems of equations. | | | | | | | | | | | | | | | |  | Experts | | | | | | | | |
|  | Web | | | | | | | | |
|  | Other: | | | | | | | | |
| Project Overview page 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | Histogram |
| **Entry Event** to  launch inquiry,  engage students: | | Invite Bus Transportation System Manager. Entry event of deliver 5 dolls from home to school of choice in shortest amount of time. Deliverance! | | | | | | | | | | | | | | | | | | | | | | | | | | | | Graphing |
| **Assessments** | | **Formative Assessments**  (During Project) | | | | Business proposal components – background, overview, budget, limitations, Powerpoint or sketchup | | Quizzes/Tests | | | | | | | | G | | Practice Presentations | | | | | |  | | |
| Plan of transportation system | | Journal/Learning Log | | | | | | | | G | | Notes | | | | | |  | | |
| properties | | Preliminary Plans/Outlines/Prototypes | | | | | | | | G | | Checklists | | | | | |  | | |
| Business proposal components – background, overview, budget, limitations, Powerpoint or sketchup | | Rough Drafts | | | | | | | | G | | Concept Maps | | | | | |  | | |
| Plan of transportation system | | Online Tests/Exams | | | | | | | |  | | Other: | | | | | |  | | |
| **Summative Assessments**  (End of Project) | | | | properties | | Written Product(s), with rubric: Business Plan  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | |  | | Other Product(s) or Performance(s), with  rubric:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | |  |
| G | | Oral Presentation, with rubric | | | | | | | | I | | Peer Evaluation | | | | | |  | | |
|  | | Multiple Choice/Short Answer Test | | | | | | | | I | | Self-Evaluation | | | | | |  | | |
|  | | Essay Test | | | | | | | |  | | Other: | | | | | |  | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Resources Needed** | | **On-site people, facilities:** | | | | | | | Academy Coach, Vaughn, auditorium, football field, Mr. Q for dolls | | | | | | | | | | | | | | | | | | | | |
| **Equipment:** | | | | | | | 3D sketch, dolls, laptop computers | | | | | | | | | | | | | | | | | | | | |
| **Materials:** | | | | | | | Construction paper, flags, | | | | | | | | | | | | | | | | | | | | |
| **Community resources:** | | | | | | | Keith from transportation, Grayline, MTA | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Reflection Methods** | | **(Individual, Group, and/or Whole Class)** | | | I | | Freshman Academy Notebook | | | | | | | |  | | Focus Group | | | | | |  | | | | |  | |
|  | | Whole-Class Discussion | | | | | | | | WC | | Fishbowl Discussion | | | | | |  | | | | |  | |
|  | | Survey | | | | | | | | I | | Other: individual assessment | | | | | |  | | | | |  | |